

ASTM B637 ALLOY 718



INTERNATIONAL EQUIVALENT CODES

Europe
EN
NiCr19Fe19Nb5Mo3

Italia
UNI

Germania	
DIN	W.n.
17744/17752	24668

UK
B.S.

USA	
ASTM	UNS
Alloy 718	N07718

CHEMICAL REQUIREMENTS (Composition , percent)

Max C	Max Mn	Max Phosph	Max Sulfur	Max Si	Cr	Nickel	Mo	Max Copper	Nb+ Ta	Titanium	Max Boron	Al	Max Cobalt	Iron
0.08	0.35	0.015	0.015	0.35	17.0-21.0	50.0-55.0	2.80-3.30	0.30	4.75-5.50	0.65-1.15	0.006	0.20-0.80	1.0	

MECHANICAL REQUIREMENTS

Tens. Strength, min, ksi	min, Mpa	Yield Strength (0,2% offset) min, ksi	min, Mpa	Elongation in 4D, min, %	Hardness
185	1275	150	1034	12	min 331 HBW